



## COAL MINING AND RECLAMATION PERMIT APPLICATION TO REVISE A PERMIT (ARP)

**Issued To:** AMERICAN ENERGY CORP  
43521 Mayhugh Hill Rd.  
Beallsville, OH 43716

**Permit Number:** D-425  
**Application Number:** R-425-13

**Telephone:** (740) 926-9152

**Effective:** 08/26/2003

**Expires:** 10/21/2004

**ARP Type:**  
Add Sediment Pond

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements.

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

**Quality:** N/A

**Quantity:** N/A

**Note:** Any previous condition(s) imposed on this permit, or subsequent adjacent areas, also apply to this ARP unless noted otherwise.

**Signature:**

*Michael J. Dwyer by R. J. [Signature]*  
Chief, Mineral Resources Management

**Date:** 08/26/2003

ORIGINAL

OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND RECLAMATION

## APPLICATION TO REVISE A COAL MINING PERMIT

AUG 1 2013

Note: Refer to the Division's "General Guidelines for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name American Energy Corporation

Address 43521 Mayhugh Hill Road

City Beallsville State Ohio Zip 43716

Telephone No. 740 - 926 - 9152

2. Permit No. D-0425

3. Section of mining and reclamation plan to be revised:

Part 3, Page 27, Item G(4), Drainage Control

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

To add pond EBS-3 to the drainage control plan.  
SEE ATTACHED ADDENDA.

5. Describe in detail the reason for requesting the revision:

To provide sediment control for the affected area. Pond EBS-3 will be used in lieu of ponds EBS-1 and EBS-2 due to the decreased area disturbed. The shaft will not be constructed at this location. Only minor disturbance occurred on the area prior to determining that the site would have to be abandoned. Reclamation is completed as shown on the attached map and all areas to be reclaimed have a good stand of vegetation.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? Yes, ☒ No.  
(Note: refer to paragraph (E) (2) of 1501 : 13-4-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

If "yes", complete the following items 7 through 9.

ORIGINAL

7. In the space below give the name and address of the newspaper in which the public notice is to be published.
8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A) (1) of 1501 : 13-05-01 of the Ohio Administrative Code.)
9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my knowledge and belief.

Robert D. Moore  
Print Name

7-28-03  
Date

[Signature]  
Signature

President  
Title



Subscribed before me and subscribed in my presence this 28<sup>th</sup> day of July, 20 03.

BARBARA L. RUSH  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES 9-01-04

[Signature]  
Notary Public

FOR DIVISION USE ONLY  
**APPROVED**

This request is hereby \_\_\_\_\_

[Signature]  
Chief, Division of Mines and Reclamation

8-26-03  
Date

April 1989

OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF RECLAMATION

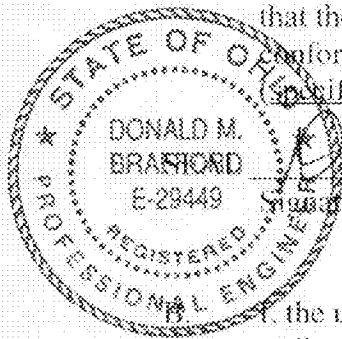
CERTIFICATION 1

**CERTIFICATION OF SEDIMENT CONTROL SYSTEM CONSTRUCTION**

Permittee's Name AMERICAN ENERGY CORP. Permit D-0425

Complete both certification statements listed below.

- A. I, the undersigned, a surveyor or engineer registered in the State of Ohio, hereby certify that the measurements of the constructed sediment control system described below conform to the measurements contained in the ~~approved original~~ "as built" <sup>(specify one)</sup> design plan.

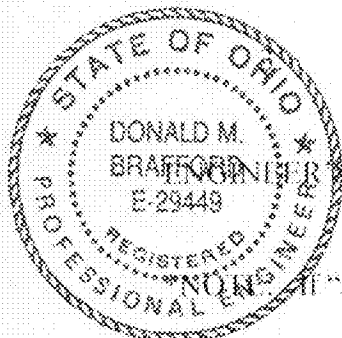


Donald M. Brashford P.E. 4-29-03  
Signature Title Date  
(engineer/surveyor)

- I, the undersigned, an engineer registered in the State of Ohio, hereby certify that the sediment control system described below has been constructed per the ~~approved original~~ "as built" <sup>(specify one)</sup> design specifications and criteria and that:

1. the embankment foundation area was cleared of all organic matter and the entire foundation surface scarified;
2. the fill material was free of sod, large roots, other large vegetative matter, frozen soil, and coal processing waste; and

the fill was brought up in horizontal layers of such thickness as required to facilitate compaction in accordance with prudent construction standards.



Donald M. Brashford 4-29-03  
Signature Date

If "as built," then "as built" plan must be attached to this certification.  
This sediment control system consists of:

Sediment ponds no. EBS-3, \_\_\_\_\_, \_\_\_\_\_  
Diversion (describe in relation to pond numbers).

Other control methods (describe if different from permit descriptions)

RECEIVED  
MAY 14 2003  
ORIGINAL

9-89

OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF RECLAMATION

ATTACHMENT 20  
(SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

Applicant's Name AMERICAN ENERGY CORPORATION AS-BUILT Pond # ERS-3Type of impoundment EXCAVATED Permanent \_\_\_\_\_, Temporary X

## 1. POND DRAINAGE AREA DATA:

- a) Drainage area 2.8 acres  
 b) Disturbed area 2.8 acres  
 c) Ave. land slope 16 %  
 d) Hydrologic soil group B & C  
 e) Hydraulic length 870 ft.  
 f) Cover/condition of the undisturbed area N/A

## 2. DESIGN STORM CRITERIA:

## a) Method:

- 1) Design method (s) including computer programs: SEDCAD 4.0  
 2) SCS curve number 86

b) Rainfall Amount/Peak Flow	Rainfall, in.	Peak flow, cfs.
1) 10 year, 24 hour ~	<u>3.7</u>	<u>6.4</u>
2) 25 year, 24 hour ~	<u>4.3</u>	<u>7.7</u>
3) 50 year, 6 hour ~ (if permanent)	_____	_____
4) 100 year, 6 hour ~ (if 30/20 size)	_____	_____

## 3. POND SIZE:

a) Dimensions: N/A, POND IS TOTALLY EXCAVATED.

- 1) Dam height \_\_\_\_\_ ft. 4) Dam downstream slope \_\_\_\_\_ %  
 2) Dam width \_\_\_\_\_ ft. 5) Dam upstream slope \_\_\_\_\_ %  
 3) Dam length \_\_\_\_\_ ft. 6) Core length \_\_\_\_\_ ft. \_\_\_\_\_ ft. \_\_\_\_\_ ft.

b) Sediment storage volume 0.37 ac. ft. is provided below the 1067.0 foot elevation.

## c) Stage/Area Data:

	Elevation ft.	Surface Area ac.	Volume ac. ft.
1) Bottom of pond	<u>1061.0</u>	<u>0</u>	<u>0</u>
2) Streambed at upstream toe:	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
3) Principal spillway inlet:	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
4) Exit Channel Crest:	<u>1067.0</u>	<u>0.11</u>	<u>0.37</u>
5) Top of embankment:	<u>1069.0</u>	<u>0.15</u>	<u>0.63</u>

ORIGINAL

D-0425  
AS-BUILT  
POND #CBS-3

4. PRINCIPAL SPILLWAY: S/A

- a) Pipe length \_\_\_\_\_ ft.
- b) Pipe diameter \_\_\_\_\_ in.
- c) Pipe slope \_\_\_\_\_ %
- d) Riser diameter \_\_\_\_\_ in.
- e) Riser height \_\_\_\_\_ ft.
- f) Type of pipe \_\_\_\_\_
- g) Number of anti-sweep collars \_\_\_\_\_ spacing along pipe \_\_\_\_\_ ft.
- h) Does the design include a trash rack? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
- i) Does the design include an anti-vortex device? \_\_\_\_\_ Yes, \_\_\_\_\_ No.

5. EMERGENCY SPILLWAY/EXIT CHANNEL:

- a) Base width \_\_\_\_\_ ft.
- b) Design flow depth \_\_\_\_\_ ft. Depth in level section \_\_\_\_\_ ft.
- c) Exit slope \_\_\_\_\_ %
- d) Exit velocity \_\_\_\_\_ fps
- e) Channel lining \_\_\_\_\_ GRASS MIXTURE
- f) Side slopes \_\_\_\_\_ 2:1
- g) Freeboard \_\_\_\_\_ ft.
- h) Entrance slope \_\_\_\_\_ %
- i) Length of level section \_\_\_\_\_ ft.

6. The minimum static factor of safety for this impoundment is \_\_\_\_\_ 1.5 \_\_\_\_\_

7. Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment.

8. Comments:

9. Is this an MSHA structure? \_\_\_\_\_ Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned \_\_\_\_\_

10. If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(B) (2) of the Administrative Code.

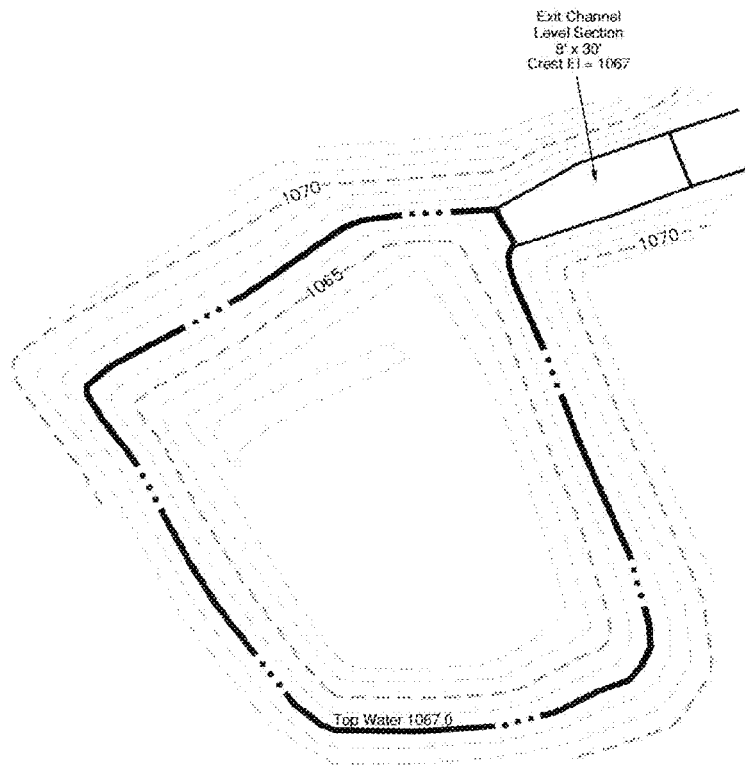
11. I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.

Donald M. Brafford  
Signature

4-29-03  
Date



ORIGINAL

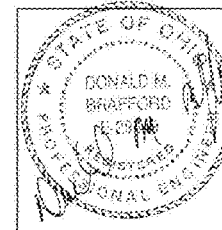


As-Built Pond EBS-3  
Plan View



ORIGINAL

MAY 14 2003



Addendum To Attachment 20, Item 7.		
<b>AS-BUILT POND EBS-3</b>		
Applicant: AMERICAN ENERGY CORPORATION		D-0425
Section: 32	Township: 5	Range: 4
Township: WASHINGTON		County: BELMONT
Contour Interval: 1'		Scale: 1" = 20'
Date: 04/14/03	Comm #02001-S	
		342 High St., Box 471 Flushing, Ohio 43977 Ph. (740) 968-4947 Fax: (740) 968-4725 e-mail: hamilton@1st.net www.hamiltonassoc.com

## ODNR Division of Mineral Resources Management

**ARP REVIEW TRACKING SHEET**

<b>APPLICANT</b>	American Energy Corporation	<b>ARP #</b>	R-425-13
<b>ARP SUMMARY</b>	Add Sediment Pond for Drainage Control		
<b>DISTRICT</b>	Cambridge	<b>APP. MANAGER</b>	Treva Knasel
<b>DATE RECEIVED BY APPLICATION MANAGER</b>		5-14-2003	

	YES	NO
1. Is the ARP a <b>SIGNIFICANT REVISION</b> ? If yes, complete and attach significant ARP Cover Sheet.		X
2. Were there public comments and/or an informal conference requested? If yes, a written response must be sent to those providing comments at the time the ARP is either approved or disapproved.		

**INITIAL REVIEW**

Check applicable reviewers and indicate date(s) the ARP was distributed and comments returned

	Date Sent for Review	Date Response	ACCEPTABLE	
			YES	NO
Jack Johannes (Soils)				
Mike Mann (Blasting)				
Scott Stiteler (Ownership)				
X Engineer: Scott McDiffitt	6-11-2003	6-26-03	✓	
Hydrologist:				
X Field ES: Jeff Emmons	6-11-2003	6-27-03		✓
X Inspector: John Puterbaugh	6-11-2003	6-23-03	✓	
Other:				
Date Revisions Sent to Applicant		7-9-03	Revisions Rec'd from Applicant	
			8-1-03	

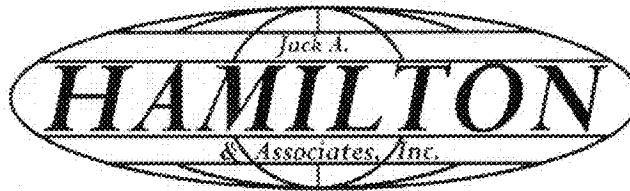
**SECOND REVIEW**

Check applicable reviewers and indicate date(s) the ARP was distributed and comments returned

	Date Sent for Review	Date Response	ACCEPTABLE	
			YES	NO
Jack Johannes (Soils)				
Mike Mann (Blasting)				
Scott Stiteler (Ownership)				
Engineer:				
Hydrologist:				
✓ Field ES: Kevin Ricks	8-1-03	8-18-03	✓	
Inspector:				
Other:				
Date Revisions Sent to Applicant			Revisions Rec'd from Applicant	

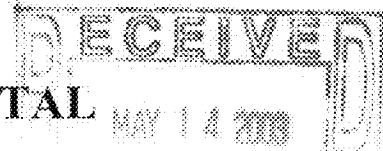


342 High St., Box 471  
Flushing, OH 43977  
Ph: (740) 968-4947  
Fax: (740) 968-4225  
e-mail: hamilton@1st.net  
www.hamiltonandassoc.com



Civil Engineering  
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## LETTER OF TRANSMITTAL



TO: Mr. Scott Stiteler  
ODNR, Division of Mineral Resource Mngt.  
1855 Fountain Square Court  
Columbus, Ohio 43224

DATE: 5-12-03  
COMM.# 02001-s  
RE: A.R.P., Bleeder Shaft, Taylor Property

WE ARE SENDING: ☒ Attached ☐ Under Separate Cover

BY THE FOLLOWING METHOD: U.S. Mail

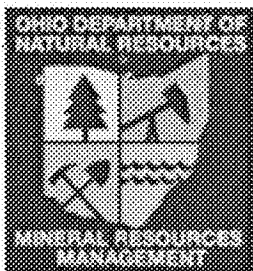
DATE	NO.	DESCRIPTION
	4	A.R.P. Form
	4	A.R.P. Map

THESE ARE TRANSMITTED: ☒ For Your Use ☐ As Requested ☒ For Review/Comment ☐ Returned

REMARKS:

COPY TO File  
John Puterbaugh (1)

SIGNED *Suzie Utter*



## ARP REVIEW DUE DATE LETTER

**Applicant:** AMERICAN ENERGY CORP

**ARP Number:** R-425-13

**Summary:**

Add Sediment Pond

**District:** CAMBRIDGE

**Application Manager:** Treva Knasel

**Date Received by Application Manager:** 05/14/2003

This sheet is to be completed by the Permitting, Hydrology/Bonding Section Application Manager and attached to any ARP documents that are being sent to technical and other staff for review. A separate sheet is to be completed for each reviewer.

**Date Sent:** 06/11/2003

**Date Review Due:** 07/02/2003

- ☐ Hydrologist:
- ☒ Inspector: John Puterbaugh *Carl*
- ☐ Field Team Leader:
- ☒ Environmental Specialist: Jeff Emmons
- ☒ Engineer: Scott McDiffitt
- ☐ Blasting Plan:
- ☐ Soil Scientist:
- ☐ Archaeologist:

If applicable, date ARP was put on public file: \_\_\_\_\_

### COMMENTS:

I have reviewed the ARP documents and following this review find the material and information provided by the applicant to be:

- ☒ **ACCEPTABLE** No further revision(s) is required. The ARP is for activity that complies with current regulatory requirements
- ☐ **UNACCEPTABLE** Additional revisions are needed as outlined in the attached document.

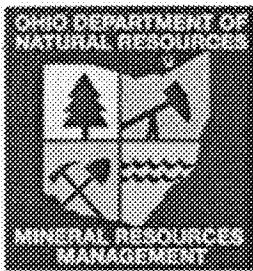
**Signature:**

*John M. Puterbaugh*

**Date:**

*6-23-03*

A4 Rev: 07/01/2001



## ARP REVIEW DUE DATE LETTER

**Applicant:** AMERICAN ENERGY CORP

**ARP Number:** R-425-13

**Summary:**

Add Sediment Pond

**District:** CAMBRIDGE

**Application Manager:** Treva Knasel

**Date Received by Application Manager:** 05/14/2003

This sheet is to be completed by the Permitting, Hydrology/Bonding Section Application Manager and attached to any ARP documents that are being sent to technical and other staff for review. A separate sheet is to be completed for each reviewer.



**Date Sent:** 06/11/2003

**Date Review Due:** 07/02/2003

- ☐ Hydrologist:
- ☒ Inspector: John Puterbaugh
- ☐ Field Team Leader:
- ☒ Environmental Specialist: Jeff Emmons
- ☒ Engineer: Scott McDiffitt *Scot*
- ☐ Blasting Plan:
- ☐ Soil Scientist:
- ☐ Archaeologist:

If applicable, date ARP was put on public file: .....

### COMMENTS:

I have reviewed the ARP documents and following this review find the material and information provided by the applicant to be:

- ☒ **ACCEPTABLE** No further revision(s) is required. The ARP is for activity that complies with current regulatory requirements
- ☐ **UNACCEPTABLE** Additional revisions are needed as outlined in the attached document.

**Signature:**

*Scott McDiffitt*

**Date:**

*6/26/03*



## ARP REVIEW DUE DATE LETTER

RECEIVED

JUN 26 2003

DIVISION OF  
MINERAL RESOURCES MGMT.

Applicant: AMERICAN ENERGY CORP

ARP Number: R-425-13

Summary:

Add Sediment Pond

District: CAMBRIDGE

Application Manager: Treva Knasel

Date Received by Application Manager: 05/14/2003

This sheet is to be completed by the Permitting, Hydrology Bonding Section Application Manager and attached to any ARP documents that are being sent to technical and other staff for review. A separate sheet is to be completed for each reviewer.

Date Sent: 06/11/2003

Date Review Due: 07/02/2003

- ☐ Hydrologist:
- ☒ Inspector: John Puterbaugh
- ☐ Field Team Leader:
- ☒ Environmental Specialist: Kevin Ricks
- ☒ Engineer: Scott McDiffitt
- ☐ Blasting Plan:
- ☐ Soil Scientist:
- ☐ Archaeologist:

If applicable, date ARP was put on public file: \_\_\_\_\_

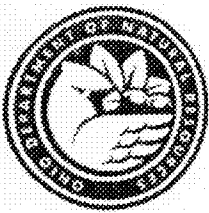
COMMENTS: MAP - SHOW DISTURBED AREA AND DIVERSIONS  
DIRECTING DRAINAGE TO POND EBS-3.

I have reviewed the ARP documents and following this review find the material and information provided by the applicant to be:

- ☐ ACCEPTABLE No further revision(s) is required. The ARP is for activity that complies with current regulatory requirements
- ☒ UNACCEPTABLE Additional revisions are needed as outlined in the attached document.

Signature: OS/mo

Date: 6/27/03



# Ohio Department of Natural Resources

ROB TAFT, GOVERNOR

SAMUEL W. SPECK, DIRECTOR

## Division of Mineral Resources Management

Michael L. Sponsler • Chief  
1855 Fountain Square Court-Bldg. H-2  
Columbus, Ohio 43224-1383  
Phone (614) 265-6633 Fax: (614) 265-7999

July 9, 2003

American Energy Corp.  
43521 Mayhugh Hill Rd.  
Beallsville, OH 43716

Dear Ms. Homan:

The Division of Mineral Resources Management completed our review of your recent Application to Revise a Permit (ARP) #R-425-13 on July 9, 2003 in which you propose to modify your permitted mining and/or reclamation plan. The following revision is required before we can further consider your request.

1. Show disturbed area and diversions directing drainage to Pond EBS-3 on map.

Please submit the required revisions within thirty (30) days of this letter to avoid delays in our review of your proposal. Should you require additional time, please do not hesitate to contact me at (614) 265-1073. Failure to submit the required revisions in a timely manner may result in your proposal being returned without further action.

Sincerely,

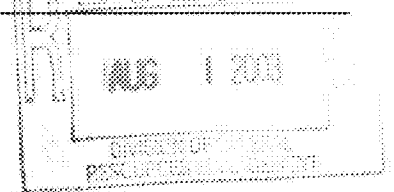
Treva J. Knase  
Application Manager  
Permitting, Hydrology & Bonding Section

c: Kevin Ricks  
Jack A. Hamilton & Assoc.  
File

342 High St., Box 471  
Flushing, OH 43977  
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Fax: (740) 968-4225  
e-mail: hamilton@1st.net  
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Land Development  
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## LETTER OF TRANSMITTAL

**TO:** Treva J. Knasel  
ODNR, Div. of Mineral Resources Mngt.  
1855 Fountain Square Court  
Columbus, Ohio 43224-1383

**DATE:** July 31, 2003  
**COMM.#** 02001-29  
**RE:** American Energy Corporation  
Revisions - A.R.P. #R-425-13

**WE ARE SENDING:** ☒ Attached ☐ Under Separate Cover

**BY THE FOLLOWING METHOD:** U.S. Mail

DATE	NO.	DESCRIPTION
	1	Revision Letter
	4	Revision Packages (Containing 1 original signature)

**THESE ARE TRANSMITTED:** ☒ For Your Use ☐ As Requested ☒ For Review/Comment ☐ Returned

**REMARKS:**

**COPY TO** File  
Melanie Homan

**SIGNED** *Suzanne Utter*

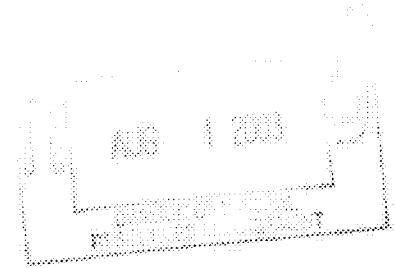
342 High St., Box 471  
Flushing, OH 43977  
Ph: (740) 968-4947  
Fax: (740) 968-4225  
e-mail: [hamilton@1st.net](mailto:hamilton@1st.net)  
[www.hamiltonandassoc.com](http://www.hamiltonandassoc.com)



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July 31, 2003

Treva J. Knasel  
ODNR, Division of Mineral Resources Management  
1855 Fountain Square Court  
Columbus, Ohio 43224



Re: American Energy Corporation, A.R.P. #R-425-13

Dear Treva,

In response to your letter to Melanie Homan on July 9, 2003, requiring revisions to American Energy Corporation's Application to Revise Permit #R-425-13, the following revision has been completed.

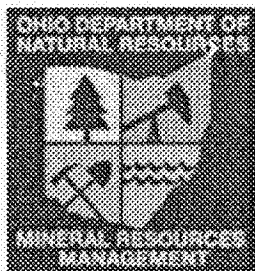
1. Revised to show the disturbed area and diversions directing drainage to Pond EBS-3 on the map as requested.

Provided a revised map date.

Yours truly,

Jack A. Hamilton & Associates, Inc.  
Consultants for A.E.C.

Suzie Utter  
Permitting



## ARP REVIEW DUE DATE LETTER 2

RECEIVED

AUG - 4 2003

DIVISION OF  
MINERAL RESOURCES MGMT.

ARP Number: R-425-13

Applicant: AMERICAN ENERGY CORP

Summary:

Add Sediment Pond

District: CAMBRIDGE

Application Manager: Treva Knasel

Date Received by Application Manager: 05/14/2003

This sheet is to be completed by the Permitting, Hydrology/Bonding Section Application Manager and attached to any ARP documents that are being sent to technical and other staff for review. A separate sheet is to be completed for each reviewer.

8/1/03  
Date Sent: 06/11/2003

8/15/03  
Date Review Due: 07/02/2003

- ☐ Hydrologist:
- ☒ Inspector: John Puterbaugh
- ☐ Field Team Leader:
- ☒ Environmental Specialist: Kevin Ricks
- ☒ Engineer: Scott McDiffitt
- ☐ Blasting Plan:
- ☐ Soil Scientist:
- ☐ Archaeologist:

If applicable, date ARP was put on public file: \_\_\_\_\_

### COMMENTS:

I have reviewed the ARP documents and following this review find the material and information provided by the applicant to be:

- ☒ ACCEPTABLE No further revision(s) is required. The ARP is for activity that complies with current regulatory requirements
- ☐ UNACCEPTABLE Additional revisions are needed as outlined in the attached document.

Signature: AS Fms

Date: 8/18/03